

**BEST AVAILABLE COPY****PATENT ABSTRACTS OF JAPAN**

(11)Publication number : 2001-052874

(43)Date of publication of application : 23.02.2001

(51)Int.Cl.

H05B 33/26

(21)Application number : 11-228325

(71)Applicant : SUMITOMO ELECTRIC IND LTD

(22)Date of filing : 12.08.1999

(72)Inventor : KAMIMURA TAKU  
OKUDA NOBUYUKI  
KIMURA KOZO  
UEHA YOSHINOBU**(54) TRANSPARENT CONDUCTIVE SUBSTRATE AND ORGANIC ELECTROLUMINESCENT ELEMENT USING THE SAME****(57)Abstract:**

**PROBLEM TO BE SOLVED:** To give a filter function to an organic electroluminescent element without using an after-fitting filter by forming a transparent conductive film colored with the coloring material and having a filter function on a transparent substrate.

**SOLUTION:** A transparent conductive film on a transparent substrate is formed by using a normal transparent conductive material. As a desirable transparent conductive material, oxide of one or more kinds among In, Zn and Sn is used. As a material for coloring the transparent conductive film, a normal inorganic or organic material can be used, and quantity of addition thereof is appropriately set in response to the wavelength characteristic as a filter of the transparent conductive film and concentration thereof. In order to make the transparent conductive film effectively function as a filter, transmittance of the light having wavelength at 500 nm is desirably set at 70% or less. In the case of forming the transparent conductive film on the substrate, vapor phase epitaxy is desirable, and a mask having the predetermined pattern is used so as to form the pattern of the transparent conductive film.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the withdrawal examiner's decision of rejection or application converted registration]

[Date of final disposal for application] 24.05.2001

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]